

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2018 Levee Inspection Results**

**Sacramento Maintenance Yard Putah Creek**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Sacramento Maintenance Yard Putah Creek**

Waterway			Bank	Unit Miles
Unit No. 01 Putah Creek or North Levee			Left	8.79
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/8/2018 - 3/8/2018			
DWR Inspector	Keith Millard			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start		Rating **	A	Issue No.	25
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0007_01_s_2013_25				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a copy of the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	26
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0007_01_s_2013_26				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has adequate emergency supplies stored.					

No Photos

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_ST0007_01_s_2013_27				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard trains yearly for flood fighting.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	0.04	Rating **	A/W	Issue No.	2
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.523119 °	38.521968 °
				-121.631356 °	-121.631519 °
DWR ID	DWR_ST0007_01_f_2016_2				
Comment Code					
Inspector Comment					
2011 - Old cobble site is unraveling, likely causing the toe of the bank to become unstable. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: PUC_0-1_L]. 10/30/17: Cobbles and waterside toe appear intact; similar to conditions extending to 0.46.					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_2\_20180305\_00001.jpg



10/30/17: Cobbles and waterside toe appear intact; similar to conditions extending to 0.46.

LM Start	0.58	Rating **	A/W	Issue No.	58
LM End	0.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.519660 °	38.519660 °
				-121.638820 °	-121.638820 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33408 DS_ID:488 EP_NO: 10261 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of unknown material through the levee, 12.5 feet below the crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the WS. (24-inch pipe [HLM 0.58] authorized under Automatic Board Order (ABO) issued as Permit No. 10261, 1974 - Tufts) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:49:52 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33408\_60493.jpg



WS slide gate and headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	0.58	Rating **	A/W	Issue No.	58 (cont)	
LM End	0.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.519660 °		38.519660 °
				-121.638820 °		-121.638820 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33408 DS_ID:488 EP_NO: 10261 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of unknown material through the levee, 12.5 feet below the crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the WS. (24-inch pipe [HLM 0.58] authorized under Automatic Board Order (ABO) issued as Permit No. 10261, 1974 - Tufts) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:49:52 PM						

Photo 2 of 3 : UCIP\_SP\_2018\_33408\_60495.jpg



LS pump and appurtances

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>58 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_33408\_60494.jpg



LS pump and appurtances

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	1.15	Rating **	M	Issue No.	59 (cont)
LM End	1.15	Issue Type +	En	Location *	

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	1.15	Rating **	M	Issue No.	59 (cont)	
LM End	1.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.517110 °	38.517110 °	
				-121.648844 °	-121.648844 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48122 DS_ID:489 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is disconnected from pipe and could cause backflow at highwater event. Can't see size of pipe sleeved through 24-inch pipe. FIELD_STRUCT_DESC: 18-inch steel irrigation pipe (field verified not 16-inch) sleeved through existing 24-inch drainage steel pipe through levee, 12.5 feet below the crown. Annular space sealed at both the waterside (WS) and landside (LS) ends. Concrete headwalls are located on both the WS and LS ends. PVC sleeved December of 2007 (unknown source). (16-inch pipe sleeved through 24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, March 2007. USACE Sacramento O&M Manual 119, December 1952] FS Date: 4/10/2014 2:48:00 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_48122\_60482.jpg



Butterfly valve at LS toe

LM Start	1.52	Rating **	M	Issue No.	10
LM End	2.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515258 °	38.517376 °
				-121.655107 °	-121.676054 °
DWR ID	DWR_ST0007_01_s_2012_10				
Comment Code					
DT : Ditch					
Inspector Comment					
This agriculture ditch is owned by Dos Rios Farms. Ending at levee mile 2.72 landside.					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_10\_20180305\_00005.jpg



Agriculture ditch within 10-foot of levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	2.13	Rating **	M	Issue No.	60
LM End	2.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515739 °	38.515739 °
				-121.666432 °	-121.666432 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:43033  
DS\_ID:491  
EP\_NO: 10262  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10262. (DWR UCIP - O. Magana)  
04/03/2012 Pipe has significant rust and exfoliation of metal showing at ends. Recommend video inspection. (DWR UCIP - W. Wylie)  
FIELD\_STRUCT\_DESC: 24-inch irrigation pipe of unknown material through levee, 15.5 feet below crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the landside (LS) end. (24-inch pipe [HLM 2.17] authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)]  
FS Date: 4/10/2014 2:45:00 PM

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_43033\_60465.jpg



LS headwall

Photo 2 of 3 : UCIP\_SP\_2018\_43033\_60467.jpg



LS distribution box

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	2.13	Rating **	M	Issue No.	60 (cont)	
LM End	2.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.515739 °	38.515739 °	
				-121.666432 °	-121.666432 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:43033 DS_ID:491 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10262. (DWR UCIP - O. Magana) 04/03/2012 Pipe has significant rust and exfoliation of metal showing at ends. Reccomend video inspection. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch irrigation pipe of unknown material through levee, 15.5 feet below crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the landside (LS) end. (24-inch pipe [HLM 2.17] authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:45:00 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_43033\_60466.jpg



WS slide gate with vegetation

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	2.72	Rating **	A/W	Issue No.	61
LM End	2.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.517580 °	38.517580 °
				-121.676820 °	-121.676820 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33394 DS_ID:492 EP_NO: 10262 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of unknown material through levee, 13 feet below crown. Slide gate is located on the waterside (WS) end. Concrete headwalls are located on both the waterside (WS) and landside (LS). (24-inch pipe [HLM 2.77] authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:43:44 PM					

LM Start	<b>2.72</b>	Rating **	A/W	Issue No.	<b>61 (cont)</b>
LM End	<b>2.72</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2018\_33394\_60458.jpg



WS Slide gate

Photo 2 of 2 : UCIP\_SP\_2018\_33394\_60457.jpg



LS headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	3.05	Rating **	M	Issue No.	35
LM End	3.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519205 °	38.519205 °
				-121.682618 °	-121.682618 °
DWR ID	DWR_ST0007_01_s_2018_35				
Comment Code					
EQ : Equipment					
Inspector Comment					
Ag equipment and cut wood pile should be removed from LS toe to allow inspection and access.					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_35\_20180312\_00107.jpg



Ag equipment and wood pile at levee toe should be removed to allow inspection and access.

LM Start	3.22	Rating **	M	Issue No.	62	
LM End	3.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.519731 °	38.519731 °	
				-121.685681 °	-121.685681 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48013						
DS_ID:16849						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Old pipe and concrete hauled to county dump.						
Evidence of the 14-inch pipe is no longer present at site. See new picture.						
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 12 feet below the crown. Pipe terminates at standpipe located on the waterside (WS) approximately 500 feet south of levee. Mobile pumping plant is located in the floodway at edge of stream 740 feet south of levee.						
FS Date: 4/10/2014 2:42:00 PM						

Photo 1 of 3 : UCIP\_SP\_2018\_48013\_60451.jpg



Filter Plant on LS toe

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	3.22	Rating **	M	Issue No.	62 (cont)	
LM End	3.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.519731 °		38.519731 °
				-121.685681 °		-121.685681 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48013 DS_ID:16849 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Old pipe and concrete hauled to county dump. Evidence of the 14-inch pipe is no longer present at site. See new picture. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 12 feet below the crown. Pipe terminates at standpipe located on the waterside (WS) approximately 500 feet south of levee. Mobile pumping plant is located in the floodway at edge of stream 740 feet south of levee. FS Date: 4/10/2014 2:42:00 PM						

LM Start	<b>3.22</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>3.22</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_48013\_60448.jpg



Steel Standpipe at 10-inch pipe termination 500-feet south of levee

Photo 3 of 3 : UCIP\_SP\_2018\_48013\_60450.jpg



10-inch pipe at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	3.25	Rating **	M	Issue No.	4
LM End	3.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519831 °	38.519848 °
				-121.686263 °	-121.693463 °
DWR ID	DWR_ST0007_01_s_2013_4				
Comment Code					
FE : Fence					
Inspector Comment					
No permit for this wire fence waterside levee slope.					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_4\_20180305\_00002.jpg



Wire fence within the 10-foot easement waterside levee toe.

LM Start	3.80	Rating **	A/W	Issue No.	63
LM End	3.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.519790 °	38.519790 °
				-121.695450 °	-121.695450 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33381 DS_ID:496 EP_NO: 10251 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below the crown. Two metal cutoff walls were installed through the levee. A T-post and T-handle are located on the landside (LS) toe. The outfall structure and flap gate are located on the west side of bridge, waterside (WS). (24-inch pipe [HLM 3.87] authorized under Automatic Board Order (ABO) issued as Permit No. 10251, 1974 - F.M.C. Corp.) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:40:30 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33381\_60439.jpg



WS toe at T handle. No access to pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	3.80	Rating **	A/W	Issue No.	63 (cont)	
LM End	3.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.519790 °		38.519790 °
				-121.695450 °		-121.695450 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33381 DS_ID:496 EP_NO: 10251 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below the crown. Two metal cutoff walls were installed through the levee. A T-post and T-handle are located on the landside (LS) toe. The outfall structure and flap gate are located on the west side of bridge, waterside (WS). (24-inch pipe [HLM 3.87] authorized under Automatic Board Order (ABO) issued as Permit No. 10251, 1974 - F.M.C. Corp.) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:40:30 PM						

Photo 2 of 3 : UCIP\_SP\_2018\_33381\_60441.jpg



LS headwall and pipe

LM Start	<b>3.80</b>	Rating **	A/W	Issue No.	<b>63 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_33381\_60440.jpg




Outfall at creek with flap gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

Photo 1 of 1 : UCIP\_SP\_2018\_33379\_60436.jpg



Slide gate in 36-inch Standpipe on WS toe.

Photo 1 of 2 : SP\_2018\_ST0007\_282\_39\_20180312\_00110.jpg



Visible riser on suspected new pipeline running parallel to levee, 8 feet from toe.

Thursday, May 31, 2018 09:44 **FINAL DATA** Page 13 of 40

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	4.32	Rating **	M	Issue No.	39 (cont)	
LM End	4.80	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.518280 °		38.518041 °
				-121.704657 °		-121.713680 °
DWR ID	DWR_ST0007_01_s_2018_39					
Comment Code						
PI : Pipe						
Inspector Comment						
Newly planted orchard on LS appears to have installed a water pipe with visible risers parallel to levee approx 8 feet from toe. This pipe should be verified, and owner should contact CVFPB for direction.						

Photo 2 of 2 : SP\_2018\_ST0007\_282\_39\_20180312\_00112.jpg



Suspected trenchline for new pipeline running parallel to levee, 8 feet from toe.

LM Start	4.32	Rating **	M	Issue No.	37
LM End	4.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518290 °	38.518258 °
				-121.704745 °	-121.705653 °
DWR ID	DWR_ST0007_01_f_2017_37				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_37\_20180305\_00006.jpg



Agricultural tilling has encroached into waterside levee toe. Activity should cease and toe should be repaired.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>4.78</b>	Rating **	A/W	Issue No.	<b>65</b>
LM End	<b>4.78</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.518034 °	38.518034 °	
			-121.713129 °	-121.713129 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:33374  
DS\_ID:499  
EP\_NO: 10256  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 09/14/2017 Permit review authorized this crossing as an irrigation pipe with pump located on WS. Structure type was changed from drainage to irrigation. Also need an additional photo to show that both WS and LS were capped with concrete, there is only one photo showing concrete used to plug the inlet or outlet. (DWR UCIP - O. Magana)  
05/06/2013 inlet and outlet are capped with concrete. See pictures (DWR Sacramento Yard - unknown)  
04/04/2012 unable to determine if end of pipe is CAP with concrete. Dirt needs to be removed from both ends to verify proper abandonment. (DWR UCIP - W. Wylie)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 24-inch corrugated metal irrigation pipe through the levee, 9.5 feet below the crown. Headwalls on both the waterside (WS) and landside (LS). Pump is located on the WS, not found 2012. (24-inch pipe [HLM 4.90] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 56+25 PCT)].  
FS Date: 4/10/2014 2:38:21 PM

LM Start	<b>4.78</b>	Rating **	A/W	Issue No.	<b>65 (cont)</b>
LM End	<b>4.78</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_33374\_60426.jpg



Enter photo 5 description or comment here.

Photo 2 of 3 : UCIP\_SP\_2018\_33374\_60423.jpg



LS shoulder looking down on headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	4.78	Rating **	A/W	Issue No.	65 (cont)	
LM End	4.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.518034 °	38.518034 °	
				-121.713129 °	-121.713129 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33374						
DS_ID:499						
EP_NO: 10256						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 09/14/2017 Permit review authorized this crossing as an irrigation pipe with pump located on WS. Structure type was changed from drainage to irrigation. Also need an additional photo to show that both WS and LS were capped with concrete, there is only one photo showing concrete used to plug the inlet or outlet. (DWR UCIP - O. Magana)						
05/06/2013 inlet and outlet are capped with concrete. See pictures (DWR Sacramento Yard - unknown)						
04/04/2012 unable to determine if end of pipe is CAP with concrete. Dirt needs to be removed from both ends to verify proper abandonment. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 9.5 feet below the crown. Headwalls on both the waterside (WS) and landside (LS). Pump is located on the WS, not found 2012. (24-inch pipe [HLM 4.90] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 56+25 PCT)].						
FS Date: 4/10/2014 2:38:21 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33374\_60425.jpg



WS toe looking down from shoulder

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.28	Rating **	A/W	Issue No.	66
LM End	5.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518022 °	38.518022 °
				-121.722521 °	-121.722521 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33371 DS_ID:500 EP_NO: 10256 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debris removed. See picture FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.39] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 83+70 PCT)]. FS Date: 4/10/2014 2:37:39 PM					

LM Start	<b>5.28</b>	Rating **	A/W	Issue No.	<b>66 (cont)</b>
LM End	<b>5.28</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_33371\_60418.jpg



Enter photo 3 description or comment here.

Photo 2 of 3 : UCIP\_SP\_2018\_33371\_60416.jpg



WS slide gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.28	Rating **	A/W	Issue No.	66 (cont)	
LM End	5.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518022 °	38.518022 °	
				-121.722521 °	-121.722521 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33371						
DS_ID:500						
EP_NO: 10256						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Debris removed. See picture						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.39] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 83+70 PCT)].						
FS Date: 4/10/2014 2:37:39 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33371\_60417.jpg



LS headwall showing debris

LM Start	5.30	Rating **	A/W	Issue No.	67	
LM End	5.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518032 °	38.518032 °	
				-121.722778 °	-121.722778 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33370 DS_ID:501 EP_NO: 10256 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end in 36-inch standpipe. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.40] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 84+40 PCT)]. FS Date: 4/10/2014 2:36:12 PM						

Photo 1 of 2 : UCIP\_SP\_2018\_33370\_60415.jpg



LS pump and stand pipe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.30	Rating **	A/W	Issue No.	67 (cont)	
LM End	5.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.518032 °	38.518032 °	
				-121.722778 °	-121.722778 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33370 DS_ID:501 EP_NO: 10256 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end in 36-inch standpipe. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.40] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 84+40 PCT)]. FS Date: 4/10/2014 2:36:12 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_33370\_60414.jpg



WS slide gate in 36-inch cmp standpipe

LM Start	5.31	Rating **	A/W	Issue No.	50
LM End	5.39	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518048 °	38.518132 °
				-121.723033 °	-121.724473 °
DWR ID	DWR_ST0007_01_f_2017_50				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_50\_20180305\_00007.jpg



Agricultural tilling has encroached into waterside levee toe. Activity should cease and toe should be repaired.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.56	Rating **	A/W	Issue No.	68
LM End	5.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518249 °	38.518249 °
				-121.727538 °	-121.727538 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33368 DS_ID:502 EP_NO: 10255 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.67] authorized under Automatic Board Order (ABO) issued as Permit No. 10255, 1974 - Owen W. and Ray W. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 97+00 PCT)]. FS Date: 4/10/2014 2:35:43 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33368\_60410.jpg



LS headwall

LM Start	<b>5.56</b>	Rating **	A/W	Issue No.	<b>68 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2018\_33368\_60409.jpg



WS slide gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.56	Rating **	M	Issue No.	69
LM End	5.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518250 °	38.518250 °
				-121.727685 °	-121.727685 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33367 DS_ID:590 EP_NO: 14140 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe. FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe though the levee, 16 feet below the crown. 24-inch standpipe with pump on the landside (LS). Pipe outfall at creek with riprap. FS Date: 4/10/2014 2:35:30 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33367\_60406.jpg



LS pump and pipe

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_33367\_60408.jpg



WS outfall at creek bank

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.56	Rating **	M	Issue No.	69 (cont)	
LM End	5.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.518250 °	38.518250 °	
				-121.727685 °	-121.727685 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33367 DS_ID:590 EP_NO: 14140 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe. FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe though the levee, 16 feet below the crown. 24-inch standpipe with pump on the landside (LS). Pipe outfall at creek with riprap. FS Date: 4/10/2014 2:35:30 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33367\_60407.jpg



WS shoulder broken air vent

LM Start	5.74	Rating **	A/W	Issue No.	70
LM End	5.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518368 °	38.518368 °
				-121.730947 °	-121.730947 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33364 DS_ID:503 EP_NO: 10252 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: owner of pipe needs to clean out obstruction in pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.86] authorized under Automatic Board Order (ABO) issued as Permit No. 10252, 1974 - John F. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 108+00 PCT)]. FS Date: 4/10/2014 2:34:15 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33364\_60401.jpg



LS headwall

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.74	Rating **	A/W	Issue No.	70 (cont)	
LM End	5.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518368 °	38.518368 °	
				-121.730947 °	-121.730947 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33364 DS_ID:503 EP_NO: 10252 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: owner of pipe needs to clean out obstruction in pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.86] authorized under Automatic Board Order (ABO) issued as Permit No. 10252, 1974 - John F. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 108+00 PCT)]. FS Date: 4/10/2014 2:34:15 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_33364\_60400.jpg



WS headwall and slidegate

LM Start	5.84	Rating **	A/W	Issue No.	53
LM End	5.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518475 °	38.518478 °
				-121.732822 °	-121.733200 °
DWR ID	DWR_ST0007_01_f_2017_53				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Adjacent ag field is currently planted, but not along encroached area. Condition should be monitored.					

Photo 1 of 2 : SP\_2018\_ST0007\_282\_53\_20180305\_00008.jpg



Agricultural tilling has encroached into landside levee toe. Activity should cease and toe should be repaired.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	5.84	Rating **	A/W	Issue No.	53 (cont)	
LM End	5.86	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.518475 °		38.518478 °
				-121.732822 °		-121.733200 °
DWR ID	DWR_ST0007_01_f_2017_53					
Comment Code						
AT : Agricultural tilling						
Inspector Comment						
Adjacent ag field is currently planted, but not along encroached area. Condition should be monitored.						

Photo 2 of 2 : SP\_2018\_ST0007\_282\_53\_20180312\_00108.jpg



Fleld not currently planted in area were tilling previously encroached on levee toe. Continue to monitor. Toe should be repaired.

LM Start	6.33	Rating **	M	Issue No.	36
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518278 °	38.518217 °
				-121.741786 °	-121.743914 °
DWR ID	DWR_ST0007_01_s_2018_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove tall weeds from LS toe to allow inspection and access.					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_36\_20180312\_00109.jpg



Large weeds at levee toe are dead, but should be removed to allow inspection and access.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	6.45	Rating **	A/W	Issue No.	71
LM End	6.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518208 °	38.518208 °
				-121.743990 °	-121.743990 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33349 DS_ID:505 EP_NO: 10253 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.4 feet below the crown. Slide gate on the waterside (WS), and concrete headwalls on both the WS and the landside (LS). (24-inch pipe [HLM 6.57] authorized under Automatic Board Order (ABO) issued as Permit No. 10253, 1974 - Lester J. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (HLM 6.58) (Station 145+50 PCT)]. FS Date: 4/10/2014 2:29:37 PM					

LM Start	<b>6.45</b>	Rating **	A/W	Issue No.	<b>71 (cont)</b>
LM End	<b>6.45</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2018\_33349\_60372.jpg



WS Slide Gate

Photo 2 of 2 : UCIP\_SP\_2018\_33349\_60371.jpg



LS Headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	6.48	Rating **	M	Issue No.	72
LM End	6.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518120 °	38.518120 °
				-121.744570 °	-121.744570 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33347					
DS_ID:506					
EP_NO: 10820					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Sign on LS bent over and broken. New signs need to be installed locating pipe that indicate a gas line crossing. The broken or missing signs do not indicate gasline, only owner info. Owner is Calpine NRG Scott Vickers 707-249-9211. Supervisor will call phone number and ask for new signs to be installed.					
FIELD_STRUCT_DESC: 4-inch coated steel gas line through the levee, 2 feet below the crown. (Permit No. 10820, 1975 - Dow Chemical).					
[Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 4/10/2014 2:28:50 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33347\_60366.jpg



LS sign post with damaged sign.

LM Start	<b>6.48</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>6.48</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2018\_33347\_60365.jpg



LS: sign post bent over in v ditch at toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	6.63	Rating **	M	Issue No.	5
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517746 °	38.517647 °
				-121.747220 °	-121.748679 °
DWR ID	DWR_ST0007_01_s_2012_5				
Comment Code					
FE : Fence					
Inspector Comment					
This fence has been in the area for many years. Levee mile 6.70-6.84 landside within10-foot of easement. No new photo ws taken.					

Photo 1 of 2 : SP\_2018\_ST0007\_282\_5\_20180305\_00003.jpg



Fence at levee mile 6.76 to 6.84 landside within 10-foot of landward toe.  
Not a new encroachment.

LM Start	<b>6.63</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>6.71</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2018\_ST0007\_282\_5\_20180305\_00004.jpg



Levee mile 6.63-6.71 landside levee toe.

LM Start	6.88	Rating **	M	Issue No.	1
LM End	6.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.517362 °	38.517355 °
				-121.751778 °	-121.752824 °
DWR ID	DWR_ST0007_01_f_2016_1				
Comment Code					
Inspector Comment					
2011 - The toe to mid-bank is slumping. Large tree pop-outs have furthered the erosion. Slope is slightly steeper than 1:1. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: PUC_7-2_L]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	6.89	Rating **	M	Issue No.	56
LM End	6.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.517513 °	38.517513 °
				-121.752023 °	-121.752023 °
DWR ID	DWR_ST0007_01_f_2017_56				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0007\_282\_56\_20180305\_00009.jpg



Trees and bushes on landside block visibility and access. Includes elderberries.

LM Start	6.90	Rating **	M	Issue No.	15
LM End	6.96	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517594 °	38.517709 °
				-121.752335 °	-121.753241 °
DWR ID	DWR_ST0007_01_s_2013_15				
Comment Code					
FE : Fence					
Inspector Comment					
This fence has no CVFPB Permit.					

No Photos

LM Start	6.91	Rating **	C	Issue No.	57
LM End	6.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.517578 °	38.517578 °
				-121.752453 °	-121.752453 °
DWR ID	DWR_ST0007_01_f_2017_57				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree limb hanging over crown has been removed.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	6.95	Rating **	A/W	Issue No.	73 (cont)	
LM End	6.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.517679 °		38.517679 °
				-121.753146 °		-121.753146 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33343 DS_ID:508 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete Apron on the WS. (24-inch pipe [HLM 7.09] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 172+00 PCT)]. FS Date: 4/10/2014 2:27:50 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33343\_60358.jpg



LS headwall

LM Start	7.18	Rating **	A/W	Issue No.	74
LM End	7.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518181 °	38.518181 °
				-121.757309 °	-121.757309 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42952 DS_ID:512 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debris removed from outlet FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch [HLM 7.36] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 183+97 PCT)]. FS Date: 4/10/2014 2:27:00 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_42952\_60353.jpg



LS Headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	7.18	Rating **	A/W	Issue No.	74 (cont)	
LM End	7.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518181 °	38.518181 °	
				-121.757309 °	-121.757309 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42952						
DS_ID:512						
EP_NO: 10247						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Debris removed from outlet						
FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch [HLM 7.36] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents).						
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 183+97 PCT)].						
FS Date: 4/10/2014 2:27:00 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_42952\_60352.jpg



WS Flapgate

LM Start	7.33	Rating **	M	Issue No.	75
LM End	7.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518440 °	38.518440 °
				-121.760027 °	-121.760027 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33338 DS_ID:17762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: Fiber optics line markers on east side of railroad tracks. No permit identified. FS Date: 4/10/2014 2:26:19 PM					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	7.34	Rating **	M	Issue No.	76
LM End	7.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518480 °	38.518480 °
				-121.760330 °	-121.760330 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33337 DS_ID:514 EP_NO: 5858 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: This pipeline needs to be marked as it was installed. There is no indication of location in the field. Indication marker not being present is not a flood hazard. Supervisor will call permittee. FIELD_STRUCT_DESC: 14-inch gas line of an unknown material through the levee, 3 feet below the crown and under the channel. (Permit No. 5858, 1967 - Southern Pacific Pipe Lines, Inc.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:26:06 PM					

No Photos

LM Start	7.35	Rating **	M	Issue No.	77
LM End	7.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518510 °	38.518510 °
				-121.760474 °	-121.760474 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41353 DS_ID:516 EP_NO: 10260 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially obstructed with sedimentation. Owner of pipe may have to clean sediment FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. (24-inch pipe [HLM 7.52] authorized under Automatic Board Order (ABO) issued as Permit No. 10260, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 193+20 PCT)]. FS Date: 4/10/2014 2:25:00 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_41353\_60345.jpg



WS Flap Gate and headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	7.35	Rating **	M	Issue No.	77 (cont)
LM End	7.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518510 °	38.518510 °
				-121.760474 °	-121.760474 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41353 DS_ID:516 EP_NO: 10260 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially obstructed with sedimentation. Owner of pipe may have to clean sediment FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. (24-inch pipe [HLM 7.52] authorized under Automatic Board Order (ABO) issued as Permit No. 10260, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 193+20 PCT)]. FS Date: 4/10/2014 2:25:00 PM					

Photo 2 of 2 : UCIP\_SP\_2018\_41353\_60344.jpg



LS headwall showing pipe partially blocked with soil.

LM Start	7.56	Rating **	A/W	Issue No.	78
LM End	7.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.519002 °	38.519002 °
				-121.764315 °	-121.764315 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33333 DS_ID:518 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Fence blocking inlet. Owner of fence needs to move fence away from inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 7.75] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 204+00 PCT)]. FS Date: 4/10/2014 2:24:52 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33333\_60342.jpg



WS headwall and slide gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	7.56	Rating **	A/W	Issue No.	78 (cont)	
LM End	7.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.519002 °		38.519002 °
				-121.764315 °		-121.764315 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33333 DS_ID:518 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Fence blocking inlet. Owner of fence needs to move fence away from inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 7.75] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 204+00 PCT)]. FS Date: 4/10/2014 2:24:52 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_33333\_60341.jpg



LS headwall showing fence and soil buildup.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	7.61	Rating **	M	Issue No.	79
LM End	7.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518970 °	38.518970 °
				-121.765090 °	-121.765090 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33332 DS_ID:592 EP_NO: 6705 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Found a 4-inch pipe near toe of ramp at LM 7.805 but it could not be determined if this pipe crossed through the levee. No additional info is available for pipe location. Lat and long for this pipe: Lat: 38.51898120 Long: -121.765378980. Attempt to determine if this pipe crosses through levee. FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee, 1.5 feet below the crown. Located approximately 110 feet east of the ramp at Levee Mile 7.81. (Permit No. 6705, 1969 - University of California, Davis Campus. Also mentioned as a 3-inch steel pipe in Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). FS Date: 4/10/2014 2:24:27 PM					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>8.28</b>	Rating **	A/W	Issue No.	<b>80</b>
LM End	<b>8.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.521246 °	38.521246 °	
			-121.776434 °	-121.776434 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:33328  
DS\_ID:520  
EP\_NO: 10247  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: Cleaned inlet and outlets. Owner of pipe may need to clean pipe  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Slide gate on the waterside (WS) end. (24-inch pipe [HLM 8.45] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 241+50 PCT)].  
FS Date: 4/10/2014 2:23:46 PM

LM Start	<b>8.28</b>	Rating **	A/W	Issue No.	<b>80 (cont)</b>
LM End	<b>8.28</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_33328\_60329.jpg



Enter photo 3 description or comment here.

Photo 2 of 3 : UCIP\_SP\_2018\_33328\_60327.jpg



LS headwall showing pipe plugged with soil

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	8.28	Rating **	A/W	Issue No.	80 (cont)	
LM End	8.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.521246 °	38.521246 °	
				-121.776434 °	-121.776434 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33328						
DS_ID:520						
EP_NO: 10247						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Cleaned inlet and outlets. Owner of pipe may need to clean pipe						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Slide gate on the waterside (WS) end. (24-inch pipe [HLM 8.45] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 241+50 PCT)].						
FS Date: 4/10/2014 2:23:46 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33328\_60328.jpg



WS slide gate showing some blockage with soil.

LM Start	8.33	Rating **	A/W	Issue No.	81	
LM End	8.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.521660 °	38.521660 °	
				-121.777203 °	-121.777203 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33327 DS_ID:521 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Removed material at slidegate and inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate on the waterside (WS) end. Headwalls on both ends. (24-inch pipe [HLM 8.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents. Also mentioned in Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 244+20 PCT)]. FS Date: 4/10/2014 2:23:16 PM						

Photo 1 of 2 : UCIP\_SP\_2018\_33327\_60326.jpg



WS headwall and slidegate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	8.33	Rating **	A/W	Issue No.	81 (cont)	
LM End	8.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.521660 °	38.521660 °	
				-121.777203 °	-121.777203 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33327						
DS_ID:521						
EP_NO: 10247						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Removed material at slidegate and inlet.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate on the waterside (WS) end. Headwalls on both ends. (24-inch pipe [HLM 8.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents. Also mentioned in Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 244+20 PCT)].						
FS Date: 4/10/2014 2:23:16 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_33327\_60325.jpg



LS headwall showing partial blockage

LM Start	8.51	Rating **	M	Issue No.	38
LM End	8.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523175 °	38.523175 °
				-121.780118 °	-121.780118 °
DWR ID	DWR_ST0007_01_s_2017_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
The wild growth of Elderberries are blocking the view of the levee section.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>8.69</b>	Rating **	M	Issue No.	<b>82</b>
LM End	<b>8.69</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.523999 °	38.523999 °	
			-121.783037 °	-121.783037 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:41129  
DS\_ID:523  
EP\_NO: 10247  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: \*ABANDONED\*  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 48-inch drainage pipe of an unknown material through the levee, 15 feet below the crown. Steel plate installed over inlet off the landside (LS) toe. Pipe not grouted. Flap gate on waterside (WS) end. Headwalls on both ends. (48-inch pipe [HLM 8.88] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 262+30 PCT)].  
FS Date: 4/10/2014 2:21:00 PM

LM Start	<b>8.69</b>	Rating **	M	Issue No.	<b>82 (cont)</b>
LM End	<b>8.69</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_41129\_60301.jpg



Steel plate installed over pipe off LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_41129\_60299.jpg



LS headwall and pipe before steel plate was installed over pipe to abandon it.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	03/08/2018 03/08/2018	Keith Millard

LM Start	8.69	Rating **	M	Issue No.	82 (cont)	
LM End	8.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.523999 °		38.523999 °
				-121.783037 °		-121.783037 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41129 DS_ID:523 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: *ABANDONED* FIELD_STRUCT_DESC: *ABANDONED* 48-inch drainage pipe of an unknown material through the levee, 15 feet below the crown. Steel plate installed over inlet off the landside (LS) toe. Pipe not grouted. Flap gate on waterside (WS) end. Headwalls on both ends. (48-inch pipe [HLM 8.88] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 262+30 PCT)]. FS Date: 4/10/2014 2:21:00 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_41129\_60300.jpg



WS flap gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Sacramento Maintenance Yard Putah Creek**

Waterway			Bank	Unit Miles
Unit No. 02 Putah Creek or South Levee			Right	7.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/8/2018 - 3/8/2018			
DWR Inspector	Keith Millard			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	0.18	Rating **	U	Issue No.	3
LM End	0.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.507155 °	38.509035 °
				-121.682817 °	-121.663488 °
DWR ID	DWR_ST0007_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
This ditch is within the 10-easement					

Photo 1 of 1 : SP\_2018\_ST0007\_283\_3\_20180305\_00001.jpg



Levee mile 0.18 looking upstream from the landside slope, irrigation ditch along the toe.

LM Start	0.18	Rating **	A/W	Issue No.	49
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.507320 °	38.507320 °
				-121.662799 °	-121.662799 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33410 DS_ID:16631 EP_NO: 10275 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10275. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 11 feet below the crown. Slide gate on waterside (WS) end. (24-inch pipe [HLM 0.20] authorized under Automatic Board Order (ABO) issued as Permit No. 10275, 1974 - Mary Pereira). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 12+65)]. FS Date: 4/10/2014 2:50:16 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33410\_60496.jpg



L/S headwall and pipe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	0.18	Rating **	A/W	Issue No.	49 (cont)	
LM End	0.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.507320 °		38.507320 °
				-121.662799 °		-121.662799 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33410 DS_ID:16631 EP_NO: 10275 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10275. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 11 feet below the crown. Slide gate on waterside (WS) end. (24-inch pipe [HLM 0.20] authorized under Automatic Board Order (ABO) issued as Permit No. 10275, 1974 - Mary Pereira). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 12+65)]. FS Date: 4/10/2014 2:50:16 PM						

LM Start	<b>0.18</b>	Rating **	A/W	Issue No.	<b>49 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_33410\_60498.jpg



L/S headwall at pipe

Photo 3 of 3 : UCIP\_SP\_2018\_33410\_60497.jpg



W/S slide gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	0.55	Rating **	M	Issue No.	29
LM End	0.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.510249 °	38.510249 °
				-121.667551 °	-121.667551 °
DWR ID	DWR_ST0007_02_s_2013_29				
Comment Code					
FE : Fence					
Inspector Comment					
No CVFPB Permit for this gate. DWR - Sac Maintenance Yard installed this gate a few years ago.					

Photo 1 of 4 : SP\_2018\_ST0007\_283\_29\_20180305\_00006.jpg



Levee mile 0.55 crown roadway crossing.

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP\_2018\_ST0007\_283\_29\_20180305\_00007.jpg



Levee mile 0.55 landside slope and toe.

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP\_2018\_ST0007\_283\_29\_20180305\_00008.jpg



Levee mile 0.55 waterside slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	0.55	Rating **	M	Issue No.	29 (cont)	
LM End	0.55	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.510249 °		38.510249 °
				-121.667551 °		-121.667551 °
DWR ID	DWR_ST0007_02_s_2013_29					
Comment Code						
FE : Fence						
Inspector Comment						
No CVFPB Permit for this gate. DWR - Sac Maintenance Yard installed this gate a few years ago.						

Photo 4 of 4 : SP\_2018\_ST0007\_283\_29\_20180305\_00009.jpg



No CVFPB Permit for this gate. DWR - Sac Maintenance Yard installed this gate a few years ago.

LM Start	0.82	Rating **	A/W	Issue No.	50
LM End	0.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.510700 °	38.510700 °
				-121.672410 °	-121.672410 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33407 DS_ID:16621 EP_NO: 10270 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (36-inch pipe [HLM 0.85] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station T 1+45)]. FS Date: 4/10/2014 2:49:39 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33407\_60489.jpg



L/S inlet

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	0.82	Rating **	A/W	Issue No.	50 (cont)	
LM End	0.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.510700 °		38.510700 °
				-121.672410 °		-121.672410 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33407 DS_ID:16621 EP_NO: 10270 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (36-inch pipe [HLM 0.85] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station T 1+45)]. FS Date: 4/10/2014 2:49:39 PM						

Photo 2 of 3 : UCIP\_SP\_2018\_33407\_60492.jpg



L/S headwall

LM Start	<b>0.82</b>	Rating **	A/W	Issue No.	<b>50 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_33407\_60491.jpg



W/S Channel

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	1.01	Rating **	M	Issue No.	23
LM End	1.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.511402 °	38.511598 °
				-121.675727 °	-121.676413 °
DWR ID	DWR_ST0007_02_f_2016_23				
Comment Code					
EQ : Equipment					
Inspector Comment					
This ag equipment and materials should be moved at least 10 feet away from the LS levee toe.					

Photo 1 of 1 : SP\_2018\_ST0007\_283\_23\_20180305\_00003.jpg



Levee mile 1.01 landside toe looking upstream.

LM Start	1.59	Rating **	A/W	Issue No.	51
LM End	1.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.514220 °	38.514220 °
				-121.685880 °	-121.685880 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33401 DS_ID:16622 EP_NO: 10270 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10270. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 16 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 1.64] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station P 233+00)]. FS Date: 4/10/2014 2:48:13 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33401\_60475.jpg



LS channel

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	1.60	Rating **	M	Issue No.	52
LM End	1.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.514250 °	38.514250 °
				-121.685980 °	-121.685980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33400					
DS_ID:16623					
EP_NO: 9139					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: There are no appropriate gas markers present on levee to indicate pipe location. Markers need to be installed. No danger to the levee					
FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 3 feet below the crown, under channel, and through the Unit No. 1 levee. (Permit No. 9139, 1973 - Dow Chemical, U.S.A.). [Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 4/10/2014 2:45:48 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33400\_60474.jpg



Gas vent 800-feet to south

LM Start	<b>1.60</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>1.60</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_33400\_60472.jpg



small flag on WS shoulder

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	

36-inch standpipe WS toe

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable                      C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	2.09	Rating **	M	Issue No.	53 (cont)	
LM End	2.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.515440 °		38.515440 °
				-121.694920 °		-121.694920 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41072 DS_ID:16624 EP_NO: 10268 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: It is apparent that there is an irrigation pipe sleeved through the 25-inch pipe, but size cannot be determined. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 13 feet below the crown. Gate valve on the landside (LS) in 10-inch concrete standpipe. 36-inch standpipe on the waterside (WS) toe. Headwall on the LS toe. (24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10268, 1974 - Dow Chemical Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station P 265+70)]. FS Date: 4/10/2014 2:45:00 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_41072\_60470.jpg



LS headwall.

LM Start	2.65	Rating **	A/W	Issue No.	54
LM End	2.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.514865 °	38.514865 °
				-121.703839 °	-121.703839 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33395 DS_ID:16625 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 2.71] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 30+15 PCT)]. FS Date: 4/10/2014 2:43:57 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33395\_60460.jpg



LS headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>2.65</b>	Rating **	A/W	Issue No.	<b>54 (cont)</b>							
LM End	<b>2.65</b>	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP LMA Responsibility		38.514865 °	38.514865 °								
			-121.703839 °	-121.703839 °								
DWR ID												
Comment Code												
Inspector Comment												
FS_ID:33395 DS_ID:16625 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 2.71] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 30+15 PCT)]. FS Date: 4/10/2014 2:43:57 PM												

Photo 2 of 2 : UCIP\_SP\_2018\_33395\_60459.jpg



WS headwall and slidegate

LM Start	<b>3.04</b>	Rating **	A/W	Issue No.	<b>55</b>							
LM End	<b>3.04</b>	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP LMA Responsibility		38.515080 °	38.515080 °								
			-121.711050 °	-121.711050 °								
DWR ID												
Comment Code												
Inspector Comment												
FS_ID:33393 DS_ID:16626 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 3.11] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 50+72 PCT)]. FS Date: 4/10/2014 2:43:31 PM												

Photo 1 of 2 : UCIP\_SP\_2018\_33393\_60456.jpg



WS headwall and slide gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	3.04	Rating **	A/W	Issue No.	55 (cont)	
LM End	3.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.515080 °		38.515080 °
				-121.711050 °		-121.711050 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33393 DS_ID:16626 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 3.11] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 50+72 PCT)]. FS Date: 4/10/2014 2:43:31 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_33393\_60455.jpg



LS headwall and pipe

LM Start	3.18	Rating **	M	Issue No.	56
LM End	3.18	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515161 °	38.515161 °
				-121.713634 °	-121.713634 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33392 DS_ID:16627 EP_NO: 2273A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: WS shoulder air vent looks broken and needs marker FIELD_STRUCT_DESC: 1 of 2: 18-inch coated steel irrigation pipe through the levee, 2 feet below the crown. Pump on well on the landside (LS). 18-inch standpipe on the waterside (WS) toe. Fresno valve on the LS toe, and air vent on the WS shoulder. 36-inch standpipe on the LS. (Permit No. 2273-A, 1980 - William B. Schoeningh). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:43:17 PM					

Photo 1 of 1 : UCIP\_SP\_2018\_33392\_60454.jpg



WS shoulder showing air vent with no sign and 18-inch standpipe at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	3.93	Rating **	A/W	Issue No.	57
LM End	3.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515620 °	38.515620 °
				-121.727540 °	-121.727540 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33380 DS_ID:16628 EP_NO: 10269 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10269. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 4.02] authorized under Automatic Board Order (ABO) issued as Permit No. 10269, 1974 - Joseph Fahn). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 98+00 PCT)]. FS Date: 4/10/2014 2:40:00 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33380\_60438.jpg



WS headwall and slide gate

LM Start	<b>3.93</b>	Rating **	A/W	Issue No.	<b>57 (cont)</b>
LM End	<b>3.93</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2018\_33380\_60437.jpg



LS headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	4.17	Rating **	A/W	Issue No.	58
LM End	4.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515770 °	38.515770 °
				-121.731840 °	-121.731840 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33378 DS_ID:16629 EP_NO: 10269 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 4.26] authorized under Automatic Board Order (ABO) issued as Permit No. 10269, 1974 - Joseph Fahn). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 109+75 PCT)]. FS Date: 4/10/2014 2:39:31 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33378\_60435.jpg



LS headwall

LM Start	<b>4.17</b>	Rating **	A/W	Issue No.	<b>58 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2018\_33378\_60434.jpg



WS slide gate and headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	4.17	Rating **	M	Issue No.	59	
LM End	4.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.515780 °	38.515780 °	
				-121.731950 °	-121.731950 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33377						
DS_ID:16630						
EP_NO: 10820						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Signs for pipeline need to be updated to state Gas line. Current markers are insufficient.						
FIELD_STRUCT_DESC: 4-inch coated steel natural gas pipeline across the channel and levees of Putah Creek, 2 feet below the crown. Approximately 0.5 mile downstream from Old Davis Road. (Permit No. 10820, 1975 - Dow Chemical). [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 4/10/2014 2:39:19 PM						

Photo 1 of 2 : UCIP\_SP\_2018\_33377\_60433.jpg



WS marker 320 feet north of levee at stream bank.

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2018\_33377\_60432.jpg



LS marker on east side of access ramp.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	4.66	Rating **	A/W	Issue No.	60
LM End	4.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515814 °	38.515814 °
				-121.741030 °	-121.741030 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33375 DS_ID:16644 EP_NO: 10271 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS). 36-inch standpipe on the landside (LS). (24-inch pipe [HLM 4.77] authorized under Automatic Board Order (ABO) issued as Permit No. 10271, 1974 - Ray H. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 136+40 PCT)]. FS Date: 4/10/2014 2:38:34 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_33375\_60427.jpg



LS 36-inch standpipe

LM Start	<b>4.66</b>	Rating **	A/W	Issue No.	<b>60 (cont)</b>
LM End	<b>4.66</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_33375\_60429.jpg



WS headwall and flapgate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	4.66	Rating **	A/W	Issue No.	60 (cont)	
LM End	4.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.515814 °	38.515814 °	
				-121.741030 °	-121.741030 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33375 DS_ID:16644 EP_NO: 10271 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS). 36-inch standpipe on the landside (LS). (24-inch pipe [HLM 4.77] authorized under Automatic Board Order (ABO) issued as Permit No. 10271, 1974 - Ray H. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 136+40 PCT)]. FS Date: 4/10/2014 2:38:34 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33375\_60428.jpg



LS looking down standpipe at CC pipe

LM Start	4.97	Rating **	U	Issue No.	34
LM End	5.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515462 °	38.515318 °
				-121.746648 °	-121.747705 °
DWR ID	DWR_ST0007_02_f_2016_34				
Comment Code					
DT : Ditch					
Inspector Comment					
There is an Agriculture ditch placed within the 10-easement landward. This ditch has been reported to Enforcement and a NOV is prepared.					

Photo 1 of 1 : SP\_2018\_ST0007\_283\_34\_20180305\_00010.jpg



Landside levee toe levee mile 4.97-5.00 looking upstream unauthorized agriculture ditch placed within the easement. No permit for this encroachment.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	5.07	Rating **	M	Issue No.	61	
LM End	5.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.515332	°	38.515332
				-121.748533	°	-121.748533
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41074 DS_ID:16632 EP_NO: 10279 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe and headwalls are completely buried on both sides of levee. 15-inch pipe permitted to sleeve through the 24-inch CMP. Indication that 15-inch pipe is at crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on landside (LS) end. (Automatic Board Order (ABO) issued as Permit No. 10279, 1974 - Carmelita Watkins). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 158+60 PCT)]. FS Date: 4/10/2014 2:37:00 PM						

Photo 1 of 1 : UCIP\_SP\_2018\_41074\_60419.jpg



15-inch standpipe at location where may run through 24-inch SD.

LM Start	5.30	Rating **	A/W	Issue No.	13
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515377 °	38.515418 °
				-121.752795 °	-121.756028 °
DWR ID	DWR_ST0007_02_f_2012_13				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
No indications of rodent activity or bait stations observed.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>5.44</b>	Rating **	A/W	Issue No.	<b>62 (cont)</b>
LM End	<b>5.44</b>	Issue Type +	Ma	Location *	

A photograph showing a gravel driveway in the foreground, leading to a grassy area. In the background, there are trees and a fence line. The image is slightly blurry and has a warm, yellowish tint.

W/S

L/S Clogged

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable                      C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	5.44	Rating **	A/W	Issue No.	62 (cont)	
LM End	5.44	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.515369 °		38.515369 °
				-121.755247 °		-121.755247 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33369 DS_ID:16620 EP_NO: 10267 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Gate has been oiled and debris removed from outlet on land side FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 5.56] authorized under Automatic Board Order (ABO) issued as Permit No. 10267, 1974 - Davis Laboratories, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 177+80 PCT)]. FS Date: 4/10/2014 2:35:57 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33369\_60412.jpg



W/S positive closure device

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>5.74</b>	Rating **	A/W	Issue No.	<b>63</b>
LM End	<b>5.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.516000 °	38.516000 °	
			-121.760500 °	-121.760500 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:33363  
DS\_ID:16636  
EP\_NO: 10279  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: Pipe was cleaned by the owner and 6 in pipe is still being used  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on landside (LS) end. (name change for existing 24-inch drainpipe and slide gate on WS [HLM 5.89] issued under Permit No. 10279-1, 2012 - Elizabeth Dankworth and Michelle Christison; 24-inch pipe [HLM 5.89] authorized under Automatic Board Order (ABO) issued as Permit No. 10279, 1974 - Carmelita Watkins).  
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 193+00 PCT)].  
FS Date: 4/10/2014 2:34:02 PM

LM Start	<b>5.74</b>	Rating **	A/W	Issue No.	<b>63 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2018\_33363\_60399.jpg



WS slide gate and headwall. 6-inch irrigation pipe just inside 24-inch pipe.

Photo 2 of 2 : UCIP\_SP\_2018\_33363\_60398.jpg



LS headwall showing sedimentation and 6-inch pipe sleeved through 24-inch pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>64</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.516140 °	38.516140 °	
			-121.761920 °	-121.761920 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33361 DS_ID:16637 EP_NO: 5858 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: According to owner this pipe is no longer in use but has not been abandoned to our standards. Need pipe company to mark location. Contacted Mark Jensen with Kinder Morgan and they are working to determine what kind of markers they should use to replace the missing ones (4/12/12). Ken at 916-416-7938 is working issue. FIELD_STRUCT_DESC: 14-inch coated steel petroleum gas pipeline through the levee, 3 feet below the crown and under channel. (Permit No. 5858, 1967 - Southern Pacific Pipe Lines, Inc.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:33:35 PM					

No Photos

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.516171 °	38.516171 °	
			-121.762037 °	-121.762037 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33360 DS_ID:17763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiber optics line markers on east side of railroad tracks. No permit identified for this crossing. It appears they may be routed under the west side of the railroad bridge inside a 6-inch steel conduit. FS Date: 4/10/2014 2:33:07 PM					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	<b>5.83</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>5.83</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.516256 °	38.516256 °	
			-121.762204 °	-121.762204 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33359 DS_ID:17764 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. FIELD_STRUCT_DESC: Fiber optics line markers on west side of railroad tracks. No permit identified for this crossing. FS Date: 4/10/2014 2:32:54 PM					

No Photos

LM Start	<b>5.84</b>	Rating **	A/W	Issue No.	<b>67</b>
LM End	<b>5.84</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.516290 °	38.516290 °	
			-121.762280 °	-121.762280 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42953 DS_ID:16639 EP_NO: 10278 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: All material was removed FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on waterside (WS) end. Headwall on the landside (LS). (24-inch pipe [HLM 5.99] authorized under Automatic Board Order (ABO) issued as Permit No. 10278, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 208+00 PCT)]. FS Date: 4/10/2014 2:32:00 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_42953\_60397.jpg



WS Flapgate blocked by sedimentation

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	5.84	Rating **	A/W	Issue No.	67 (cont)	
LM End	5.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.516290 °	38.516290 °	
				-121.762280 °	-121.762280 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42953 DS_ID:16639 EP_NO: 10278 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: All material was removed FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on waterside (WS) end. Headwall on the landside (LS). (24-inch pipe [HLM 5.99] authorized under Automatic Board Order (ABO) issued as Permit No. 10278, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 208+00 PCT)]. FS Date: 4/10/2014 2:32:00 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_42953\_60396.jpg



LS headwall

LM Start	6.02	Rating **	A/W	Issue No.	68	
LM End	6.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.516658 °	38.516658 °	
				-121.765572 °	-121.765572 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33353 DS_ID:16641 EP_NO: 10265 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pipe has some sedimentation buildup internally. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 6.19] authorized under Automatic Board Order (ABO) issued as Permit No. 10265, 1974 - State of California, Division of Highways. Also included in Automatic Board Order (ABO) issued as Permit No. 11296, 1974 - Capitol National Bank of Sacramento and Crocker Citizens National Bank). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 237+50 PCT)]. FS Date: 4/10/2014 2:30:16 PM						

Photo 1 of 2 : UCIP\_SP\_2018\_33353\_60380.jpg



LS headwall and pipe showing sediment buildup.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	6.02	Rating **	A/W	Issue No.	68 (cont)	
LM End	6.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.516658 °		38.516658 °
				-121.765572 °		-121.765572 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33353						
DS_ID:16641						
EP_NO: 10265						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Pipe has some sedimentation buildup internally.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 11 feet below the crown. Slide gate on the waterside						
(WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe						
[HLM 6.19] authorized under Automatic Board Order (ABO) issued as						
Permit No. 10265, 1974 - State of California, Division of Highways. Also						
included in Automatic Board Order (ABO) issued as Permit No. 11296,						
1974 - Capitol National Bank of Sacramento and Crocker Citizens						
National Bank). [Additional Reference(s): DWR Levee Log, 2005.						
USACE Sacramento O&M Manual 119, December 1952, (Station						
237+50 PCT)].						
FS Date: 4/10/2014 2:30:16 PM						

Photo 2 of 2 : UCIP\_SP\_2018\_33353\_60379.jpg



WS slide gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	6.44	Rating **	M	Issue No.	70
LM End	6.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.517828 °	38.517828 °
				-121.773010 °	-121.773010 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33348 DS_ID:16643 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS. FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe through the levee, 26 feet below the crown. Slide gate in concrete box on the waterside (WS) slope of the levee. Drop inlet and weir inlet at the landside (LS) toe. Concrete headwall at outlet. Flap gate on the WS end is off. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:29:24 PM					

LM Start	<b>6.44</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>6.44</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_33348\_60367.jpg



Dropinlet at LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_33348\_60370.jpg



Weir inlet at pond on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	6.44	Rating **	M	Issue No.	70 (cont)	
LM End	6.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.517828 °		38.517828 °
				-121.773010 °		-121.773010 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33348 DS_ID:16643 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS. FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe through the levee, 26 feet below the crown. Slide gate in concrete box on the waterside (WS) slope of the levee. Drop inlet and weir inlet at the landside (LS) toe. Concrete headwall at outlet. Flap gate on the WS end is off. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:29:24 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_33348\_60369.jpg



WS headwall and outfall showing rootball blocking pipe

LM Start	6.49	Rating **	M	Issue No.	39
LM End	6.49	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518247 °	38.518247 °
				-121.773805 °	-121.773805 °
DWR ID	DWR_ST0007_02_f_2016_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Three small walnut trees on the waterside shoulder should be removed.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	6.54	Rating **	M	Issue No.	27
LM End	6.70	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518590 °	38.519875 °
				-121.774528 °	-121.776912 °
DWR ID	DWR_ST0007_02_f_2017_27				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0007\_283\_27\_20180305\_00004.jpg



Small nut trees planted on waterside berm should be removed.

LM Start	6.56	Rating **	M	Issue No.	11
LM End	6.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518760 °	38.519938 °
				-121.774927 °	-121.776952 °
DWR ID	DWR_ST0007_02_s_2012_11				
Comment Code					
MA : Material					
Inspector Comment					
Shipping containers, storage units and other items/debris on the landside easement.					

No Photos

LM Start	6.59	Rating **	M	Issue No.	28
LM End	6.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519033 °	38.519538 °
				-121.775313 °	-121.776275 °
DWR ID	DWR_ST0007_02_f_2015_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0007\_283\_28\_20180305\_00005.jpg



Trees still partially obscure the landside slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	6.63	Rating **	U	Issue No.	41
LM End	6.71	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519368 °	38.519953 °
				-121.775930 °	-121.777080 °
DWR ID	DWR_ST0007_02_s_2017_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Bamboo being introduced by landowner on the waterside berm. This is unauthorized.					

Photo 1 of 2 : SP\_2018\_ST0007\_283\_41\_20180305\_00011.jpg



Putah Creek levee mile 6.63-6.74 unauthorized planting of arundo plants.

LM Start	<b>6.63</b>	Rating **	U	Issue No.	<b>41 (cont)</b>
LM End	<b>6.71</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2018\_ST0007\_283\_41\_20180305\_00012.jpg



Levee mile 6.63-6.74 waterward berm landowner has several hundred bamboo planting and other crops.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	6.65	Rating **	M	Issue No.	71
LM End	6.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.519470 °	38.519470 °
				-121.776150 °	-121.776150 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33346 DS_ID:16633 EP_NO: 10276 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe heavily clogged with soil. Will contact owner of pipe and ask to clean for inspection. FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 6 feet below the crown. Slide gate on the waterside (WS) end, and headwalls on both ends. (24-inch pipe [HLM 6.83] authorized under Automatic Board Order (ABO) issued as Permit No. 10276, 1974 - Patricia Schlabes). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 237+50 ""PCT"")]. FS Date: 4/10/2014 2:28:29 PM					

Photo 1 of 2 : UCIP\_SP\_2018\_33346\_60364.jpg



WS slide gate showing soil plug

LM Start	<b>6.65</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>6.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2018\_33346\_60363.jpg



LS headwall showing soil plug

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	03/08/2018 03/08/2018	Keith Millard

LM Start	6.70	Rating **	U	Issue No.	48
LM End	6.70	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519927 °	38.519927 °
				-121.777033 °	-121.777033 °
DWR ID	DWR_ST0007_02_s_2017_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the unauthorized bamboo plantings from the landside levee section. 10/30/17: Bamboo plants remain as in photo.					

Photo 1 of 1 : SP\_2018\_ST0007\_283\_48\_20180305\_00014.jpg



Levee mile 6.70 at the District's gate landowner has placed several bamboo plantings against the gate way landward.

LM Start	6.88	Rating **	U	Issue No.	46
LM End	6.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.521408 °	38.521547 °
				-121.779775 °	-121.780033 °
DWR ID	DWR_ST0007_02_s_2017_46				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Stalks less than 1 inch in diameter can be trimmed and thinned.					

No Photos

LM Start	7.00	Rating **	U	Issue No.	47
LM End	7.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.522328 °	38.522393 °
				-121.781447 °	-121.781663 °
DWR ID	DWR_ST0007_02_s_2017_47				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
These Elderberries are blocking view of levee section and blocking access to a portion of the shoulder waterward. Some of these stalks are less than 1.0 inch that could be thinned out.					

Photo 1 of 1 : SP\_2018\_ST0007\_283\_47\_20180305\_00013.jpg



Elderberry bushes blocking view of waterside shoulder at this location.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	